

## PATENT ASSIGNMENT FORM

For and in consideration of good and valuable consideration, the receipt and sufficiency thereof being hereby acknowledged, each undersigned inventor acknowledges his/her prior and ongoing obligation to sell, assign, and transfer, and agrees to sell, assign, and transfer the entire world wide right, title and interest for the United States and all foreign countries, in and to any and all inventions and improvements conceived during and within the scope of his/her employment, and further acknowledges that he/she has sold, assigned, and transferred, and hereby sells, assigns, and transfers, unto:

**INTERNATIONAL BUSINESS MACHINES CORPORATION ("IBM"),  
Armonk, New York 10504**

a corporation of New York, and IBM desires to acquire all right, title, and interest, in and to the certain inventions (identified below), applications, and any United States and foreign patents to be obtained therefor relating to:

Title of Invention for CROSS-FEATURE ANALYSIS  
United States Patent

as set forth in United States Patent Application executed by each undersigned inventor on the date indicated by each inventor signature below, and further identified by **Attorney Docket Number YOR920030261US1**;

(select one): ☒ executed concurrently herewith or ☐ Serial No. \_\_\_\_\_ Filed on \_\_\_\_\_

for and to said United States Patent Application including any and all divisions or continuations thereof and in and to any and all Letters Patent of the United States and foreign patents and all rights of priority to be obtained therefor which may issue on any such application or for said invention therein disclosed, including any and all reissues or extensions thereof, to be held and enjoyed by, its successors, legal representatives and assigns to the full end of the term or terms for which any and all such Letters Patent may be granted as fully and entirely as would have been held and enjoyed by the undersigned had this Assignment not been made;

Each undersigned inventor hereby authorizes and requests the Commissioner of Patents and Trademarks to issue any and all such Letters Patent to IBM, its successors and assigns, in accordance herewith;

Each undersigned inventor warrants and covenants that he/she has the full and unencumbered right to sell and assign the interests hereby sold and assigned and that he/she has not executed and will not execute any document or instrument in conflict herewith;

Each undersigned inventor further covenants and agrees that he/she, upon the request and at the expense of the IBM, will execute and deliver any papers, make all rightful oaths, testify in any legal proceeding relating to said inventions and improvements, communicate to the IBM all facts known to the undersigned relating to such inventions and improvements and the history thereof; and perform all other lawful acts deemed necessary or desirable by IBM, and its legal representatives, to secure, maintain, and enforce patent protection for such inventions and improvements and for vesting title to such inventions and improvements in the IBM, and in particular to perfect title to said above-identified certain inventions, and applications including divisions and continuations thereof, and any and all Letters Patent which may be granted therefor or thereon, including reissues, extensions, or counterparts;

Each undersigned inventor hereby grants the IBM and the firm of the power to insert in this Assignment any further identification which may be necessary or desirable for recordation of this Assignment.

This assignment is governed by the substantive laws of the state of New York.

Executed by Inventor 1 of 2

Signature: Jon Wei Date: 9/5/03  
Wei Fan

Executed by Inventor 2 of 2

Signature: Philip Shi-lung Yu Date: 9/5/03  
Philip Shi-lung Yu

## **Oath & Assignment**

1. The undersigned, (a) Wei Fan  
citizen(s) of (b) China - PRC  
residing at (c) 730 Fort Washington Avenue, 6G, New York, NY 10040

The undersigned, (a) Philip Shi-lung Yu  
citizen(s) of (b) USA  
residing at (c) 18 Stornoway, Chappaqua, NY 10514

hereby undertake that the invention/new utility model/new design entitled

(d) CROSS-FEATURE ANALYSIS

was truly invented by me/us. The undersigned understands that willful false statements are punishable by laws.

2. The undersigned hereby assign all my/our rights and interests regarding the invention/new utility model/new design as far as the Republic of China is concerned to

(e) INTERNATIONAL BUSINESS MACHINES CORPORATION

(hereinafter called "Assignee"), a corporation organized and existing under the laws of (f) the States of New York, USA

and located at (g) New Orchard Road, Armonk, NY 10504, USA

and do hereby declare that the Assignee is entitled to applying for and obtaining patent rights on the invention/new utility model/new design in its own name in the Republic of China.

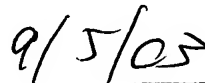
Signature(s)

Date

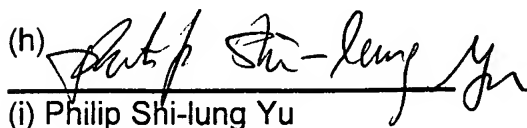
(h)



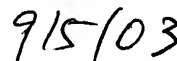
(i) Wei Fan



(h)



(i) Philip Shi-lung Yu



Note 1 ☐ ☐ (a) full name(s) of inventor(s)  
(b) name(s) of country(ies)  
(c) address(es) of inventor(s)  
(d) title of invention/new utility model/new design  
(e) the name of Assignee  
(f) the name of the country, or state and country  
(g) address of the Assignee  
(h) Signature(s) of inventor(s)  
(i) name(s) in print of inventor(s)

Note 2 ☐ ☐ Neither notarization nor legalization is required for this document.

Note 3 ☐ ☐ All inventors' data have to be printed in the field of (a)-(c) & (i).

## DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name; I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled: CROSS-FEATURE ANALYSIS  
the specification of which: (check one)

☒ is attached hereto.  
☐ was filed on \_\_\_\_\_, as Application Serial No. \_\_\_\_\_ and was amended on \_\_\_\_\_.

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the patentability of this application in accordance with Title 37, Code of Federal Regulations, § 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, § 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s):

Number	Country	Day/Month/Year	Priority Claimed
--------	---------	----------------	------------------

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, § 1.56 which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

Prior U.S. Applications:

Serial No.	Filing Date	Status
------------	-------------	--------

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

As a named inventor, I hereby appoint the following attorneys and/or agents to prosecute this application and transact all business in the Patent and Trademark Office connected therewith: We hereby appoint Manny Schecter (Reg. No. 31,722), Kevin M. Jordan (Reg. No. 40,277), Christopher A. Hughes (Reg. No. 26,914), John E. Hoel (Reg. No. 26,279), Joseph C. Redmond, Jr. (Reg. No. 18,753), Richard M. Ludwin (Reg. No. 33,010), Marc A. Ehrlich (Reg. No. 39,966), Douglas W. Cameron (Reg. No. 31,596), Louis P. Herzberg (Reg. No. 41,500), Marian Underweiser (Reg. No. 46,134), Stephen C. Kaufman (Reg. No. 29,551), Daniel P. Morris (Reg. No. 32,053), Louis J. Percello (Reg. No. 33,206), Robert M. Trepp (Reg. No. 25,933), Gail H. Zarick (Reg. No. 43,303), Paul J. Otterstedt (Reg. No. 37,411), Derek S. Jennings (Reg. No. 41,473) and Timothy M. Farrell (Reg. No. 37,321), Thu Ann Dang (Reg. No. 41,544), and Wan Yee Cheung (Reg. No. 42,410) to prosecute this application and transact all business in the United States Patent and Trademark Office connected therewith.

Send all correspondence to: McGinn & Gibb, PLLC, 2568-A Riva Road, Suite 304, Annapolis, Maryland 21401. Customer No. 28211

Telephone calls should be directed to Frederick W. Gibb, III, McGinn & Gibb, PLLC at (301) 261-8071.

(1) Inventor: Wei Fan

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Residence: 730 Fort Washington Avenue, 6G, New York, NY 10040

Citizenship: China-PRC

Post Office Address: Same as Residence

(2)

Inventor: Philip Shi-lung Yu

Signature: Philip Shi-lung Yu

Date: 9/5/03

Residence: 18 Stormoway, Chappaqua, NY 10514

Citizenship: USA

Post Office Address: Same as Residence